



2517

Electronic Filing System (EFS) Data

Electronic Patent Application Submission

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EFS ID: 24405
Application ID: 09972019
Title of Invention: Low Offset and Low Glitch Energy Charge Pump for PLL-Based Timing Recovery Systems
First Named Inventor: Myles Wakayama
Domestic/Foreign Application: Domestic Application
Filing Date: 2001-10-05
Effective Receipt Date: 2003-03-13
Submission Type: Information Disclosure Statement
Filing Type: null
Confirmation Number: 3152
Attorney Docket Number: 18752070002



Digital Certificate Holder: cn=Jason Daniel Eisenberg, ou=Registered Attorneys, ou=Patent and Trademark Office, ou=Department of Commerce, o=U.S. Government, c=US
Certificate Message Digest: GWXQ6maZM62GoucPL9nW8Q==

Total Fees Authorized: \$180.0

Payment Category: CC - Credit Card
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TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Information
Disclosure Statement

Application Number: 09/972,019
Attorney Docket Number: 18752070002

Low Offset and Low Glitch Energy Charge Pump for PLL-Based Timing Recovery Systems

First Named Inventor: Myles H. Wakayama

SUBMITTED BY

Name:

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43,447

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Date Signed: 20030312

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Attached Files:

fee-transmittal

IDS18752070002fee.xml

us-information-disclosure-statement

IDS18752070002ids.xml

Comments:



FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 180

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ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Submission Of Information Disclosure Stmt Fee		1	1806	\$ 180	\$ 180

Subtotal For Additional Fees: \$ 180